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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 5824 (1970): Lancets for use in foundries [MTD 14:
Foundry]

“ज्ञान से एक नये भारत का निर्माण”

Satyanaaranay Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”



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Indian Standard

SPECIFICATION FOR LANCETS FOR USE IN FOUNDRIES

1. Scope—The requirements for lancets for use in foundries. Lancets are used for trimming of moulds and correction of dimensions of cores and moulds.

2. Dimensions—Dimensions of lancets shall be as specified in Tables 1 and 2.

3. Material—Tool steel T 80, IS : 3749-1966 'Specification for tool and die steels for cold work'.

4. Coating—Hard chromium according to IS : 1337-1968 'Specification for hard chromium electroplated coatings on iron and steel (first revision)'.

5. Hardness—50 to 55 HRC.

6. Tolerances—IT 14, IS : 919-1963 'Recommendations for limits and fits for engineering (revised)'.

7. Freedom from Defects—After heat treatment, surfaces should be free from cracks, burrs, scales, rust and other surface defects.

8. Marking—Lancet shall be marked with the following:

- a) Trade-mark or name of manufacturer, and
- b) Designation of tool.

8.1 Certification Marking—Details available with the Bureau of Indian Standards.

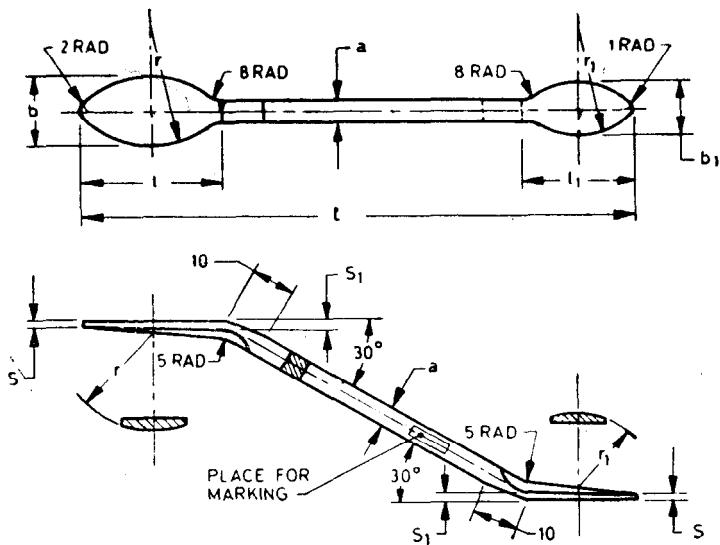
9. Packing—Separately wrapped in moisture-proof paper. Tools of same type and size shall be packed in cartons containing 12 tools each. Each box shall be glued and reinforced with strips. Cartons shall be placed in wooden boxes, the whole package weighing not more than 50 kg.

9.1 Each box shall bear the number of pieces and the information mentioned under marking.

10. Supply—According to IS : 1387-1967 'General requirements for the supply of metallurgical materials (first revision)'.

TABLE I DIMENSIONS OF LANCETS, TYPE A

All dimensions in millimetres.

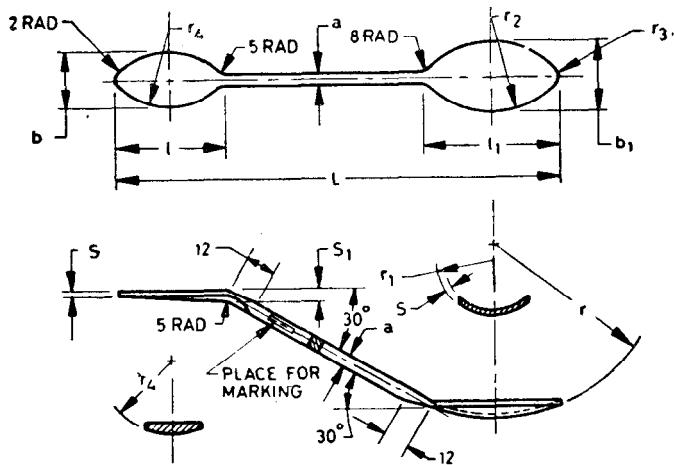


L	l	l_1	b	b_1	S	S_1	r	r_1	a
125	32	25	16	12	0.6	1.6	22	17	5
160	50	40	25	20	1.0	2.0	65	52	6
200	60	50	32	25	1.6	2.5	74	63	7

Designation — Lancet of nominal length 125 mm and blade lengths of 32 mm and 25 mm shall be designated as:
Lancet : 125 IS : 5824-1970

TABLE 2 DIMENSIONS OF LANCET WITH SCOOP, TYPE B

All dimensions in millimetres.



L	l	l_1	b	b_1	S	S_1	r	r_1	r_2	r_3	r_4	a
160	40	50	20	25	1.0	2.0	65	18	36	5	27	6
200	50	60	25	32	1.6	2.5	80	25	39	6	33	6
250	60	80	32	40	1.6	2.5	100	29	57	8	37	7

Designation — Lancet with scoop of nominal length 160 mm. Lancet edge length 40 mm and scoop length 50 mm shall be designated as:

Scoop Lancet : 160 IS : 5824-1970